

ABSTRACT

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SPLITTER FOR ANALOG TELEPHONE SIGNAL AND DIGITAL DATA

- 5           The invention relates to a telephone system where frequency multiplexed analogue telephone signals and digital data signals are transmitted over a line (3). Incoming calls are announced to the customer installation (2) by a ringing indication signal having an amplitude between 1 and 30 V RMS, that is much less than the regular ringing and therefore easier to be generated, and
- 10           moreover having a smoother shape than a rectangular shape. Upon receiving the ringing indication signal, the customer installation (2) locally generates and provides a full ringing signal to a telephone (32). The amplitude of this local ringing signal is higher than the amplitude of the ringing indication signal, but the line with the digital data signal is isolated from the customer telephone
- 15           equipment at the time the ringing signal is generated, so as to avoid disturbance of the digital data transmission by the ringing current, which is in the prior art a serious source of impulsive noise.

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